



Lake Murray Dam Sunny Day Dam Breach Overview

San Diego County, California
State Dam ID: 8.012
& National Dam ID: CA00116

Modeling Date: June-2018
Map Creation Date: September-2018
By: J. Weber

Legend

- Cross Section
- Flow Path
- Detailed Sheet Extent
- Approx. Maximum Flooding Extent

Notes:

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Engineer Robert Carl Singer
License No. 63643

Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
Alvarado Parkway Institute B.H.S.	0.3	-	-	-
Interstate 8	0.6	00:02	33	39.2
Alvarado Hospital Medical Center	0.8	00:03	35	13.6
Interstate 8	1.8	00:09	17	34.7

Lake Murray Dam
Sunny Day Dam Breach
Flood Arrival Times
San Diego County, California
State Dam ID: 8.012
& National Dam ID: CA00116



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Legend

Critical Structures

- Critical Road Point
- CalFire Facility
- Licensed Healthcare Facility
- Law Enforcement Facility
- School

..... Critical Road
— Approx. Time to 1 Foot Depth (hrs:mins)
— Cross Section
— Flow Path
— Approx. Maximum Flooding Extent
— Municipal Boundary

Maximum Inundation Depth (ft)

- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- 20+

* Variations in color are dependent upon the background imagery.

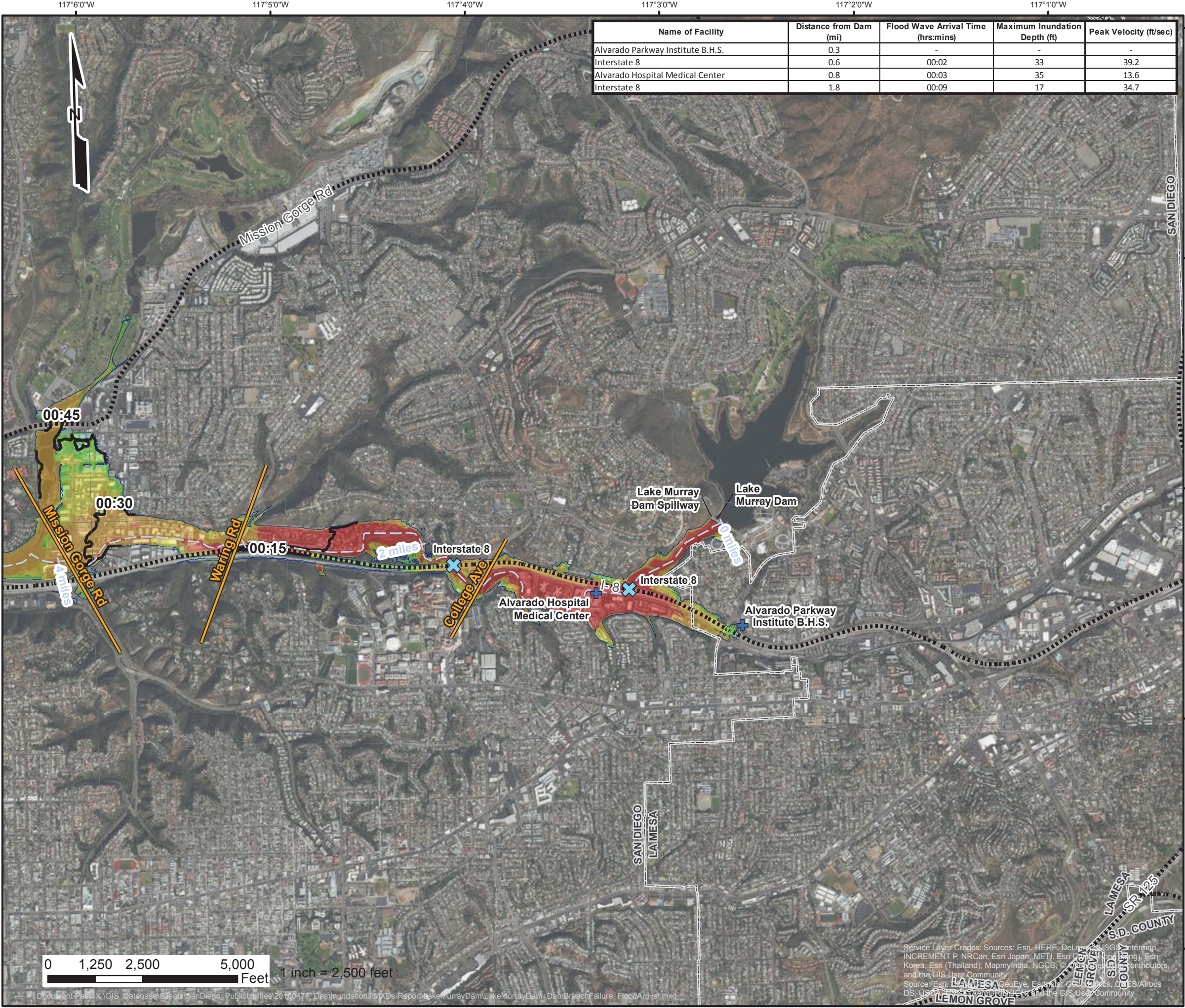
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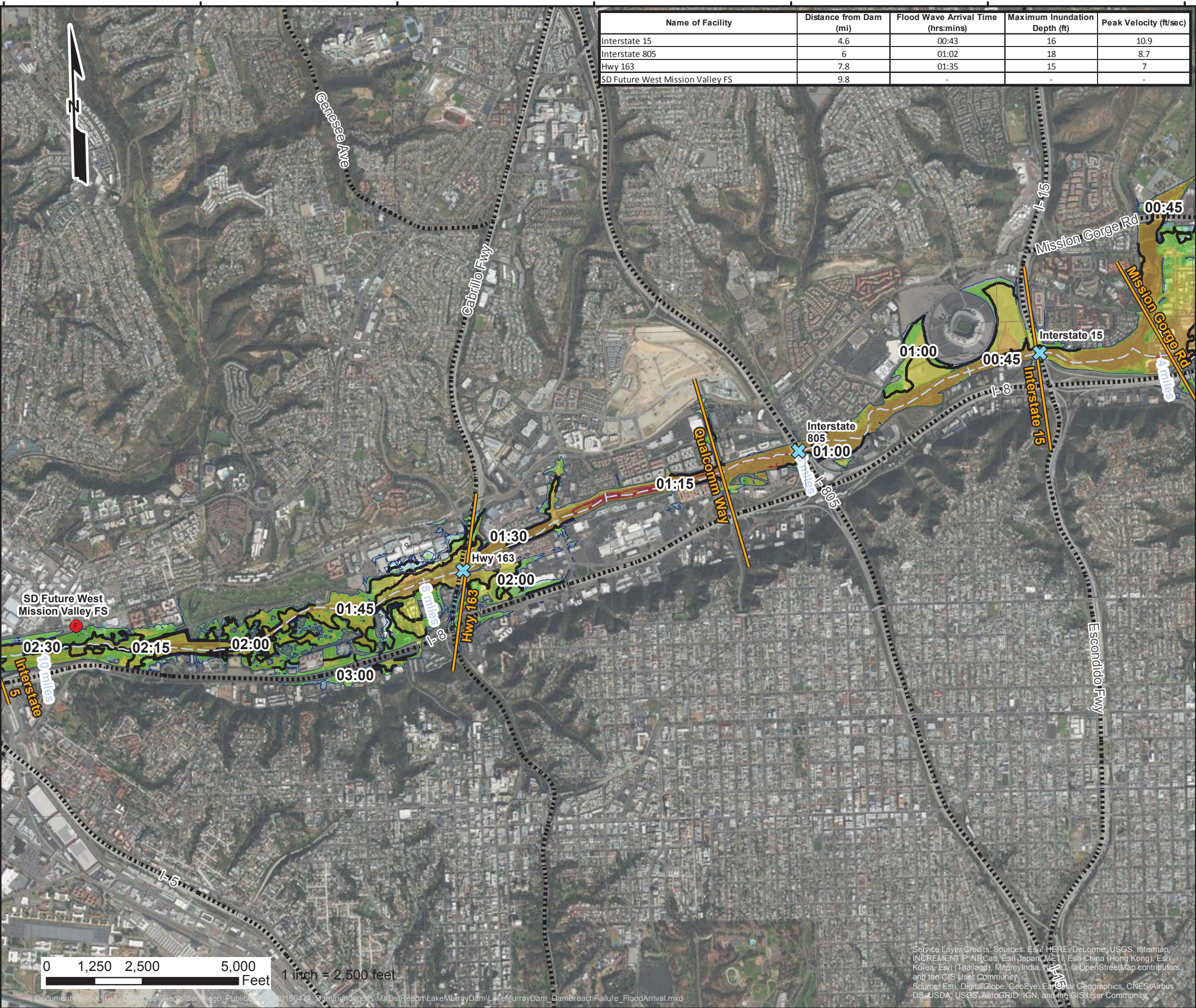
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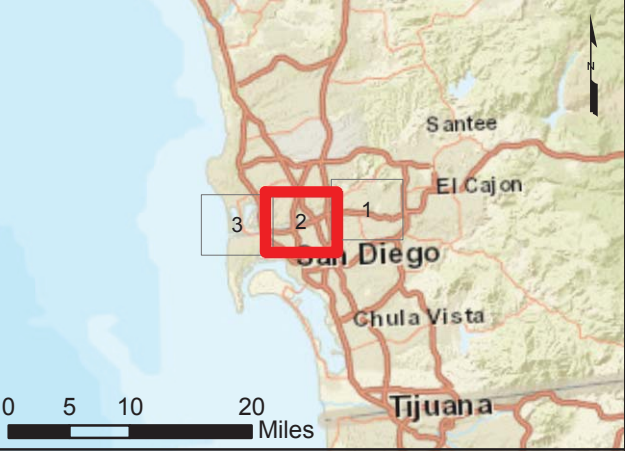
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117°12'0"W 117°11'0"W 117°10'0"W 117°9'0"W 117°8'0"W 117°7'0"W 117°6'0"W

Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
Interstate 15	4.6	00:43	16	10.9
Interstate 805	6	01:02	18	8.7
Hwy 163	7.8	01:35	15	7
SD Future West Mission Valley FS	9.8	-	-	-



**Lake Murray Dam
Sunny Day Dam Breach
Flood Arrival Times
San Diego County, California
State Dam ID: 8.012
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Legend

Critical Structures

- Critical Road Point
- CalFire Facility
- Licensed Healthcare Facility
- Law Enforcement Facility
- School

Critical Road

- Approx. Time to 1 Foot Depth (hrs:mins)
- Cross Section
- Flow Path
- Approx. Maximum Flooding Extent
- Municipal Boundary

Maximum Inundation Depth (ft)

- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- 20+

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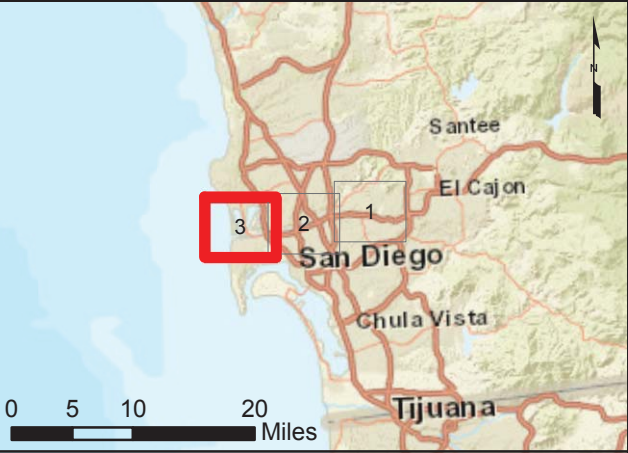
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Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
SD Future West Mission Valley FS	9.8	-	-	-
Interstate 5	10.3	02:39	9	3.7

**Lake Murray Dam
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Flood Arrival Times**
San Diego County, California
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Critical Structures

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Critical Road

Approx. Time to 1 Foot Depth (hrs:mins)

Cross Section

Flow Path

Approx. Maximum Flooding Extent

Municipal Boundary

Maximum Inundation Depth (ft)

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- 2 to 5
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Mapped depths and arrival times downgradient of I-5 vary more significantly as a result of tidal influences, hydraulic factors, and specific model assumptions. Please refer to text for additional information.



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Lake Murray Dam Sunny Day Spillway Breach Overview

San Diego County, California
State Dam ID: 8.012
& National Dam ID: CA00116

0 100 200 Miles

Modeling Date: June-2018
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Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
Interstate 8	0.6	00:10	4	6.4
Alvarado Hospital Medical Center	0.8	00:15	6	2.6
Interstate 8	1.8	-	-	-

**Lake Murray Dam
Sunny Day Spillway Breach
Flood Arrival Times**
San Diego County, California
State Dam ID: 8.012
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Legend

Critical Structures

- Critical Road Point
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..... Critical Road

— Approx. Time to 1 Foot Depth (hrs:mins)

— Cross Section

— Flow Path

— Approx. Maximum Flooding Extent

— Municipal Boundary

Maximum Inundation Depth (ft)

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- 2 to 5
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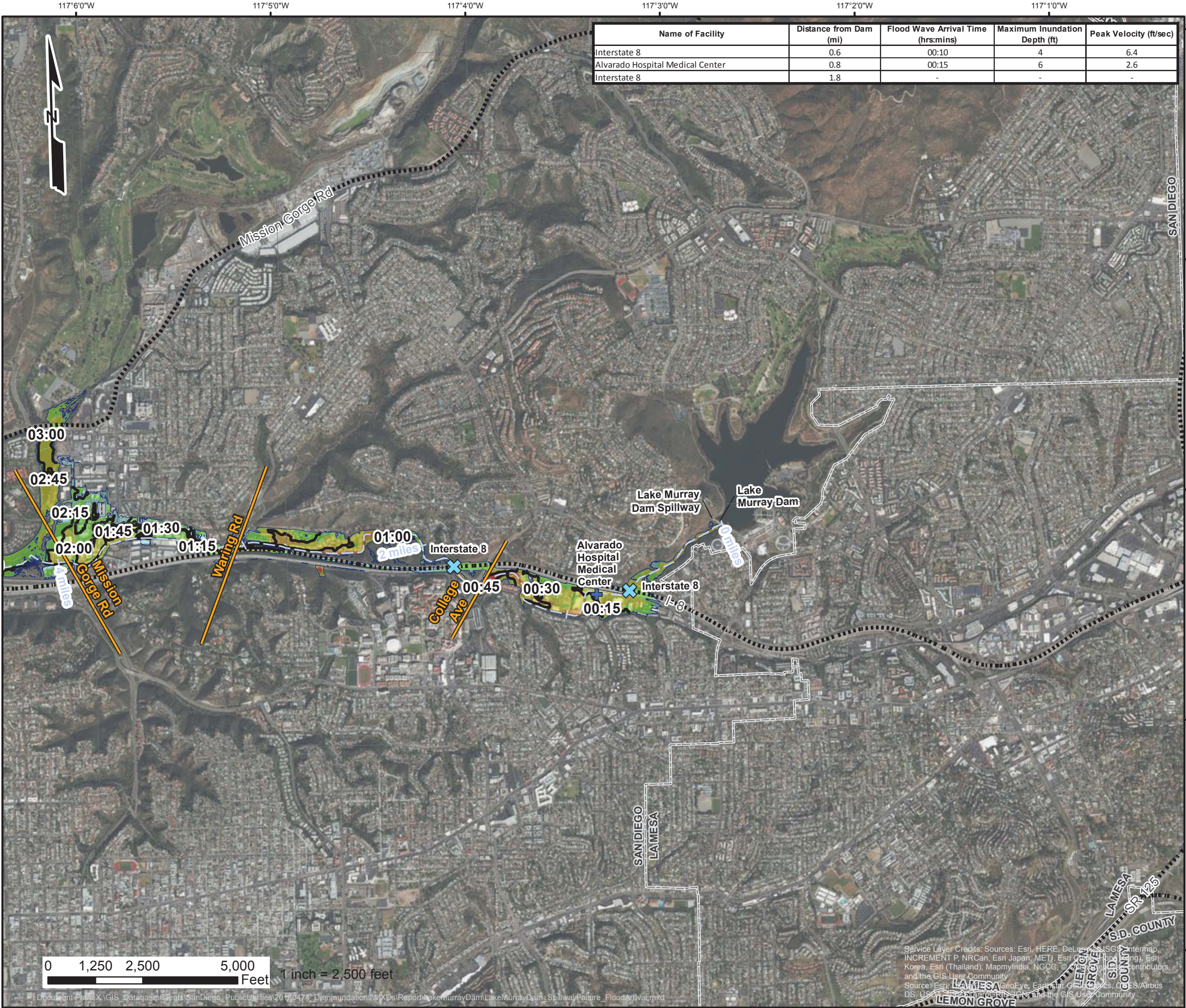
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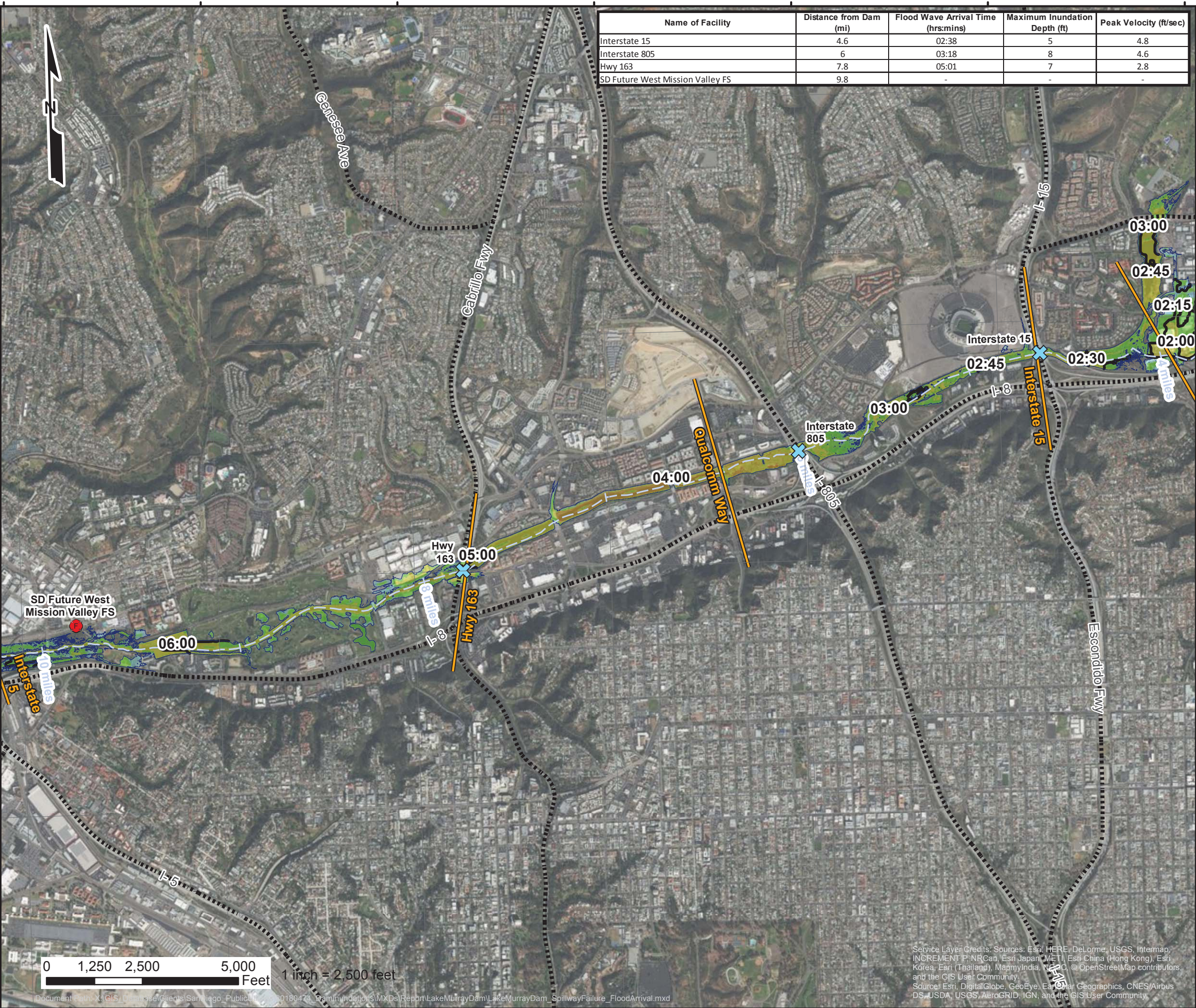


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Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
Interstate 15	4.6	02:38	5	4.8
Interstate 805	6	03:18	8	4.6
Hwy 163	7.8	05:01	7	2.8
SD Future West Mission Valley FS	9.8	-	-	-



Lake Murray Dam
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San Diego County, California
State Dam ID: 8.012
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Legend

Critical Structures

- Critical Road Point
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Critical Road

- Approx. Time to 1 Foot Depth (hrs:mins)
- Cross Section
- Flow Path
- Approx. Maximum Flooding Extent
- Municipal Boundary

Maximum Inundation Depth (ft)

- 1 to 2
- 2 to 5
- 5 to 10
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- 20+

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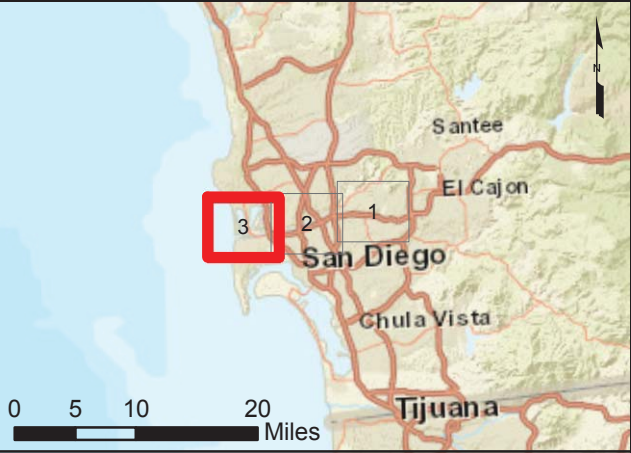
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0 1,250 2,500 5,000 Feet
1 inch = 2,500 feet

Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
SD Future West Mission Valley FS	9.8	-	-	-
Interstate 5	10.3	06:45	6	2.8

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Lake Murray Dam
Sunny Day Spillway Breach
Flood Arrival Times
San Diego County, California
State Dam ID: 8.012
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Legend

Critical Structures

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- School

Critical Road

Approx. Time to 1 Foot Depth (hrs:mins)

Cross Section

Flow Path

Approx. Maximum Flooding Extent

Municipal Boundary

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